

INV. 1 ACTIVITY—WATER AND PAPER TOWELS

Focus Question: Which paper towel absorbs the most water?

Plan and carry out an investigation using some of the materials listed below. You can test other materials if you check with an adult in your home. Record and analyze your results. Then respond to the focus question.

Tools to use

- Bowl
- Measuring cup
- Water

Materials to test

- Paper towels

Suggested procedure

Compare different brands of paper towel.

Tear paper towels into the same size. Soak each paper towel sample in a bowl of water for 10-20 seconds.

Squeeze out the water absorbed into a measuring cup and record.

What are the results? Which is the most absorbent paper towel?

Share results with the shopper in your family.

INV. 1 ACTIVITY—WATER ON TISSUES

Focus Question: Which tissues/toilet paper is the strongest when wet?

Plan and carry out an investigation using some of the materials listed below. You can test other materials if you check with an adult in your home. Record and analyze your results. Then respond to the focus question.

Tools to use

- Small jars or glasses
- Rubber bands
- Water
- Pennies

Materials to test

- Different toilet paper brands or tissue brands

Suggested procedure

1. Compare either different tissues brand or toilet paper brands.
2. Collect two or three brands.
3. Using just a few squares of your toilet paper, cover the top of your jars/glass and use the rubber band to hold the toilet paper in place.
4. Next pour water through the top of each of your jars/glasses (through the toilet paper).
5. Now, add 1 penny at a time to each of the jars.
Add 1 to each one before starting over.
6. Do this over and over until your toilet paper breaks.
7. Which toilet paper is the strongest when wet? Share results with the shopper in your family.

INV. 1 ACTIVITY—SPONGE ART PROJECT

.....

Plan and carry out an investigation using some of the materials listed below. Work with an adult in your home. Record and analyze your results.

Tools to use

- Different types of sponges

Materials

- Watercolor paints
- Water
- Paper

Suggested procedure

You can cut sponges into a variety of shapes. Use a cookie cutter to trace on sponge and then cut along the lines you drew.

Pour some water-based paint onto a paper plate, or dish. Tempera paint, poster paint, or acrylic craft paint all work great for this. Make a blob big enough to dip the sponge into. Use 1 color of paint per paper plate.

Dip sponge into paint and press against your paper. You can use the sponge like a stamp on the paper or drag the sponge or move in a circular motion. Have fun trying different patterns and designs.

INV. 1 ACTIVITY—WATERCOLOR RESIST ART PROJECT

Tools to use

- Paint brushes

Materials

- Wax crayons
- Watercolor paints
- Paper

Suggested procedure

Use wax crayons to make a drawing. Fill your paper. Then paint over your drawing and rest of paper with watercolor paint. Let dry.

What do you observe?

Any absorbing, beading, or repelling? Why do you think?

Display your artwork.

INV. 1 ACTIVITY—LISTEN TO WATER MUSIC

Suggested procedure

Water sounds are popular in both classical and contemporary music. Play music with water sounds as you do your science and art projects.

Notes:

If you haven't already, check out the *FOSS Science Resources: Water and Climate* ebook and/or audio books article: "Opinion and Evidence."

Write resources to the questions at the end of the article.